

Chitin Role in Chemistry

Department of Applied Chemistry, Islamic Azad University, Quchan, Iran

Abstract

The role of chitin in chemistry is a subject of increasing interest due to its unique properties and wide range of applications. Chitin, a natural polysaccharide, is composed of repeating N-acetylglucosamine units. Its chemical structure and properties are discussed in this paper. The role of chitin in various chemical processes, such as adsorption, catalysis, and drug delivery, is explored. The paper also discusses the synthesis and modification of chitin derivatives. The following sections provide a detailed overview of the topic.

[1]. Chitin is a natural polysaccharide composed of repeating N-acetylglucosamine units. It is a linear polymer of N-acetylglucosamine units linked by β -1,4-glycosidic bonds. The chemical structure of chitin is shown in Figure 1.

[2]. Chitin is a natural polysaccharide composed of repeating N-acetylglucosamine units. It is a linear polymer of N-acetylglucosamine units linked by β -1,4-glycosidic bonds. The chemical structure of chitin is shown in Figure 1.

Chitin is a natural polysaccharide composed of repeating N-acetylglucosamine units. It is a linear polymer of N-acetylglucosamine units linked by β -1,4-glycosidic bonds. The chemical structure of chitin is shown in Figure 1.

Chitin is a natural polysaccharide composed of repeating N-acetylglucosamine units. It is a linear polymer of N-acetylglucosamine units linked by β -1,4-glycosidic bonds. The chemical structure of chitin is shown in Figure 1.

Chitin is a natural polysaccharide composed of repeating N-acetylglucosamine units. It is a linear polymer of N-acetylglucosamine units linked by β -1,4-glycosidic bonds. The chemical structure of chitin is shown in Figure 1.

-
1. Yukihiro O (2020) Analytical Chemistry by Electrophoresis. Anal Sci 36:39.
 2. Xiaojun W, George M, Jesús B, Emilia C, Fabio P, et al. (2003) Recognition and resistance in TEM beta-lactamase . Biochemistry 22:42:8434-8444.
 3. V P Varlamov , A V Il'ina , B Ts Shagdarova , A P Lunkov , I S Mysyakina (2020)
 4. Chitin/Chitosan and Its Derivatives: Fundamental Problems and Practical Approaches. Biochemistry 85:154-176.